

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 08-113793
 (43)Date of publication of application : 07.05.1996

(51)Int.CI. C10M169/02
 //C10M169/02
 C10M115:08
 C10M105:36
 C10M105:38)
 C10N 20:02
 C10N 40:02
 C10N 50:10

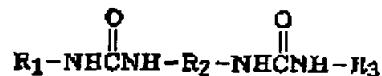
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(54) GREASE COMPOSITION

(57)Abstract:

PURPOSE: To obtain a grease composition excellent in grease life under high- temperature and high-speed conditions, release resistance, etc., in bearing and suitable for outer ring roll sealing type ball bearing by adding an urea-based thickener at a specific ratio to a base oil consisting essentially of an ester oil.

CONSTITUTION: This composition is obtained by blending (A) a base oil having 50-200mm²/sec dynamic viscosity at 40° C and containing at least ≥10wt.% of an ester oil (preferably ester oil selected from a hindered ester oil and an aromatic ester oil) with (B) 15-35wt.% of a diurea compound of the formula (R₂ is an aromatic hydrocarbon; R₁ and R₃ are each a 6-12C aromatic hydrocarbon or a 6-20C aliphatic hydrocarbon, with the proviso that the ratio of the aromatic hydrocarbon amount in total amounts of R₁ and R₃ is 50-100mol%). Furthermore, at least one kind of oil among pentaerythritol ester oil, trimethylolpropane ester oil, etc., is included in the ester oil component of the component A and the content is preferably 50-100%.



LEGAL STATUS

[Date of request for examination] 05.12.2000
 [Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than
the examiner's decision of rejection or
application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision
of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

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